

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 November 2005 (03.11.2005)

PCT

(10) International Publication Number
WO 2005/103094 A1

(51) International Patent Classification⁷: **C08F 10/00**

(21) International Application Number:
PCT/US2005/005842

(22) International Filing Date: 24 February 2005 (24.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/560,175 7 April 2004 (07.04.2004) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OLEFIN POLYMERIZATION PROCATALYST COMPOSITIONS AND METHOD OF PREPARATION

(57) Abstract: A method of making a solid procatalyst composition for use in a Ziegler-Natta olefin polymerization catalyst composition, the resulting catalyst, and a polymerization process employing the same, said method comprising: (a) contacting a solid precursor composition a magnesium compound with a halogenating agent and an internal electron donor in any order, in a suitable reaction medium under metathesis reaction conditions, and separating the solid reaction product; (b) optionally contacting the solid reaction product from step (a) with a halogenating agent in a suitable reaction medium one or more additional times under metathesis reaction conditions and separating the solid reaction product; (c) contacting the solid reaction product of step (a) or optionally (b) with a halogenating agent and a liquid diluent comprising an aliphatic ether, aliphatic polyether or aliphatic (poly)glycol ether one or more times under metathesis reaction conditions in a suitable reaction medium and optionally extracting the resulting product.



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